MWPP SEWAGE SLUDGE SURVEY

Facility Background Information:

1. Facility Information

Permit Number: _____

Name: _____

Street Address: _____

County: _____

2. Facility Contact

Name: _____

Title: _____

Telephone: _____

Permittee Name: _____

Mailing Address: _____

_____

Facility Flow Information

1. Facility Wastewater Treatment Capacity

Avg. Daily Flow for 2000: _____ MGD

Facility Design Capacity: _____ MGD

2. Estimated Septage Quantity Handled (Residuals Removed from Septic Tank Systems)

Average Domestic Septage: _____ gallons per month

Average Commercial Septage: _____ gallons per month

3. Method of Septage Processing

Mixed with Influent Wastewater for Treatment

Mixed with Sewage Sludge

_____

4. Estimated Percentage Contributing Wastewater Flow

Residential: _____ %

Industrial: _____ %

Other: _____ % Describe: _____

5. List type of wastewater treatment process(es) utilized at this facility:

_____

_____

6. Estimated sewage sludge wasting rate at this facility: _____ lb/day dry weight

or _____ gallons per day

7. Estimated untreated sludge received from off site: _____ lb/day dry weight

or _____ gallons per day

8. Estimated percent solids of combined sewage sludge prior to treatment: _____ %

9. List the sewage sludge treatment processes used in preparing sludge for final use or disposal:

	Sludge Quantity (untreated pounds per day)

10. Estimate the total volume of sludge generated: _____ (dry U.S. tons per year)

Sludge Disposal Methods

1. Which of the following describes the current method of sewage sludge disposal for this facility:

	Current Practices			Proposed Practices	
	Approved by ADEM		Quantity	Approved by ADEM	
	Yes	No	(dry U.S. tons/year)	Yes	No
a. Land Application, Bulk Shipped Agriculture Forest Public Contact Lawn/Home Garden			_____		
b. Land Application, Bagged/Other Container Agriculture Forest Public Contact Lawn/Home Garden			_____		
c. Incineration			_____		
d. Subtitle D Landfill (Disposal Only)			_____		
e. Lined Treatment Lagoon or Stabilization Pond			_____		
f. Unlined Lagoon or Stabilization Pond			_____		
g. Other (Please Describe)			_____		

_____
_____
_____

2. If "f" was selected above and sludge is stored for 2 or more years, enter the distance between the surface disposal site and the property line: _____ feet

Pollutant Concentrations

1. Enter the total concentrations of the following analytes using existing data. Do not enter TCLP results.

Analyte	Concentration (mg/kg or ppm)	Sample Type	Sample Date	Detection Level of Analysis
Arsenic				
Cadmium				
Chromium				
Copper				
Lead				
Mercury				
Molybdenum				
Nickel				
Selenium				
Zinc				
Ammonium-Nitrogen				
Nitrate-Nitrogen				
Total Kjeldahl Nitrogen				

2. Enter the estimated or determined percent solids of the sewage sludge when sampled for the above analysis: _____ %

Treatment Provided for Sewage Sludge at the Facility

1. Which class of pathogen reduction does the sewage sludge meet at the facility? (As defined in 40 CFR Part 503)

Class A

Alternative A1 - Time and Temperature

Alternative A2 - Alkaline Treatment

Alternative A3 - Analysis and Operation

Alternative A4 - Analysis Only

Alternative A5 - Processes to Further Reduce Pathogens (PFRP)

Heat Drying	Thermophilic Aerobic Digestion	Heat Treatment
Pasteurization	Gamma Ray Irradiation	Beta Ray Irradiation
Composting		

Alternative A6 - PFRP Equivalent _____

Class B

Alternative B1 - Fecal Coliform Count

Alternative B2 - Process to Significantly Reduce Pathogens (PSRP)

Aerobic Digestion	Air Drying	Anaerobic Digestion
Composting	Lime Stabilization	

Alternative B3 - PSRP Equivalent _____

Neither or Unknown

Vector Attraction Control

Option 1 - Minimum 38% Reduction in Volatile Solids
Option 2 - Anaerobic Processes, with Bench-Scale Demonstration of Volatile Solids Reduction
Option 3 - Aerobic Processes, with Bench-Scale Demonstration of Volatile Solids Reduction
Option 4 - Specific Oxygen Uptake Rate (SOUR) for Aerobically Digested Sludge
Option 5 - Aerobic Processes plus Elevated Temperature
Option 6 - Raised pH to 12 and Retained at 11.5
Option 7 - 75% Solids with no Unstabilized Solids
Option 8 - 90% Solids with Unstabilized Solids
Option 9 - Injection Below Land Surface
Option 10 - Incorporation into Soil within 6 or 8 Hours
Option 11 Covering Active Sewage Sludge Unit Daily
None of the Above

Groundwater Monitoring

1. If disposal practice is surface disposal or land application, is groundwater monitoring required or performed at the site?

Yes
No

(If yes, please submit a copy of the groundwater monitoring reports along with this survey. Also please provide the approximate depth to groundwater and the groundwater monitoring procedures used to obtain the data.)

Land Application of Sewage Sludge

Answer the following questions if sewage sludge is applied to land.

1. If sewage sludge is land applied in bulk form, what type of crop or other vegetation is grown on this site?

2. If sewage sludge is land applied in bulk form, what is the nitrogen requirement for this crop or vegetation?

3. If sewage sludge is land applied in bulk form, briefly describe the nature of any complaints filed from neighbors?

Note: Permittees that submitted the "Annual Report Review Form" for sludge to the EPA may submitt a copy with the MWPP in lieu of this Attachment.